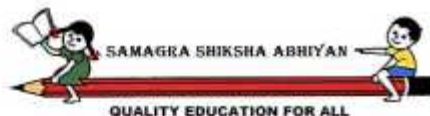




## MATHEMATICS - STANDARD 10

### REVISION QUESTIONS – UNIT 3 - PROBABILITY



A JOINT VENTURE OF DIET PALAKKAD AND SSK PALAKKAD



**INTER BELL  
INTERVENTION BASED ON EFFECTIVE LEISURE LEARNING**

*STUDENT SUPPORT MATERIAL for X Mathematics*

### Questions:

1. A coin is tossed. What is the probability of getting a
  - i) head?
  - ii) tail?
2. A box contains 7 green balls and 9 blue balls. If you take a ball at random, find the probability of getting a
  - i) green ball.
  - ii) blue ball.



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- 3. A bag contains 15 black beads and 25 white beads. If one bead is taken at random, what is the probability that of getting a**
- black bead?**
  - white bead?**
- 4. Raju is asked to tell a natural number less than 10. What is the probability that the number is**
- an odd number?**
  - an even number?**
  - a prime number?**
  - a perfect square?**
  - a multiple of 4?**
- 5. Raji is asked to tell a natural number less than 20. What is the probability that the number is**
- an odd number?**
  - an even number?**
  - a prime number?**
  - a perfect square?**
  - a multiple of 6?**



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- 6. A dice is thrown once. What is the probability of getting**
- i) the number 4?**
  - ii) an odd number?**
  - iii) an even number?**
  - iv) a prime number?**
  - v) a perfect square?**
  - vi) a multiple of 3?**
- 7. Separate cards numbered 1 to 15 are made. One is asked to take a card from this at random. What is the probability that the number is**
- i) an odd number?**
  - ii) an even number?**
  - iii) a prime number?**
  - iv) a perfect square?**
  - v) a multiple of 5?**
- 8. Each of the letters of the word MATHEMATICS is written on separate paper slips and put in a box. If a person takes a paper slip from the box at random, find the probability of**
- i) getting letter "A".**
  - ii) getting letter "M".**
  - iii) not getting letter "A".**



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- 9. A coin is tossed twice (Two coins are tossed together). What is the probability of getting**
- i) two heads?**
  - ii) two tails?**
  - iii) one head and a tail?**
- 10. Two dice are thrown simultaneously. What is the probability that the sum of the numbers is**
- i) odd?**
  - ii) even?**
  - iii) a prime number?**
  - iv) a perfect square?**
  - v) 7?**
- 11. Two dice are thrown simultaneously. What is the probability that both the numbers are**
- i) odd?**
  - ii) even?**
  - iii) same?**
  - iv) prime?**
  - v) different?**



## MATHEMATICS - STANDARD 10

### REVISION QUESTIONS – UNIT 3 - PROBABILITY

**12. A box contains 3 white balls and 5 red balls. Another box contains 7 white balls and 9 red balls.**

- i) If one ball each is drawn at random from both the boxes, which box is better for getting a red ball?**
- ii) If all the balls of second box are transferred to first box and then drawn a ball at random, what is the probability of getting a white ball?**